



## Wireless Kit For Portable Computers

DWL-920 11Mbps USB Wireless Kit For Portable Computers

### DWL-920 Wireless Network Diagram



#### Key Features

- Description: 2.4 GHz Direct Sequence Spread Spectrum (DSSS) Wireless USB Adapter, USB B-type to PC Compliant.
- Antenna: External 0dbi dipole antenna
- Range Coverage: 100feet @ 11 Mbps, 300feet @ 5.5 Mbps or lower
- Data Rate: 11, 5.5, 2 and 1 Mbps per channel
- Network Architecture Types: Supports ad-hoc, peer-to-peer and infrastructure communications to wired networks via Access Points.
- Operating Channels: 11 N. America, 13 Japan, 13 Europe (ETSI), 4 France
- LED Indicators: Power/Link
- Operating Frequency: 2.412-2.462 GHz(N. America)  
2.412-2.4835 GHz(Japan TELEC)  
2.412-2.472 GHz(Europe ETSI)  
2.457-2.462 GHz(Spain)  
2.457-2.472 GHz(France)

USB Wireless Network Starter Kit DWL-920

# USB Wireless Network Starter Kit DWL-920

## Technical Specifications

**Product Name**  
11 Mbps Wireless USB Adapter

**Model Number**  
DWL-120

**Host Interface**  
USB B-type to PC

**Dimensions**  
102 x 71 x 20 mm

**Weight**  
64g

**Frequency Band**  
2.400 ~ 2.4835GHz (subject to local regulations)

**Number of Channel**  
- USA and Canada – 11  
- Most European countries - 13  
- France – 4  
- Japan - 13

**Operating Voltage**  
5V

**Spreading**  
DSSS (Direct Sequence Spread Spectrum)

**Data rate**  
11Mbps, 5.5Mbps, 2Mbps, 1Mbps

**Transmit Power**  
Nominal Temp Range: 13 dBm TYP

**Receiver Sensitivity**  
Nominal Temp Range:  
- 11 Mbps 10-5 BER @ -83 dBm, TYP

**Modulation**  
11Mbps and 5.5Mbps CCK; 2Mbps: DQPSK; 1Mbps: DBPSK;

**Security**  
40-bit WEP Encryption, optional 128-bit

**Antenna**  
External Odbi dipole antenna

**LED Indicator**  
Power/Link

**Supplied Driver**  
Windows 95/98/2000, NT 4.0

**Standards**  
IEEE 802.11HR, Wi-Fi compliant

**Media Access Protocol**  
CSMA/CA with ACK

**Temperature Range**  
0 ~ 40°C (Operating), -20~70°C (Storing)

**Humidity**  
Max. 95% Non-condensing

**Operating Range**  
Open Space: 100 ~ 300m; Indoor: 50m ~ 100m

**Roaming**  
Full mobility and seamless roaming from cell to cell and across access points

**Network Protocol**  
TCP/IP, IPX, NDIS3, NDIS4

**Management Utility**  
Link Config for network join and diagnostics

**EMC Certification**  
FCC part 15 class in US, CE EMC-EEC in Europe, ETSI 300.328

**Product Name**  
11 Mbps Wireless LAN Access Point ( PRISM-II)

**Model Number**  
DWL-1000AP

**Ethernet Interface**  
10Base-T (RJ45) connector

**Dimensions**  
123 x 45 x 135 mm

**Weight**  
138g

**Frequency Band**  
2.400 ~ 2.4835GHz (subject to local regulations)

**Number of Channel**  
- USA and Canada – 11  
- Most European countries - 13  
- France – 4  
- Japan - 13

**Power Adapter**  
Input: AC 100~240V, 1A Output: DC 5V, 1A

**AP Input Power**  
DC 5V, 1A

**Spreading**  
DSSS (Direct Sequence Spread Spectrum)

**Data rate**  
11Mbps, 5.5Mbps, 2Mbps, 1Mbps

**Modulation**  
11Mbps and 5.5Mbps CCK; 2Mbps: DQPSK; 1Mbps: DBPSK

**Output Power**  
12dBm

**Receiver Sensitivity**  
Nominal Temp Range:  
- 1 Mbps 10-5 BER @ -89 dBm, minimum  
- 5.5 Mbps 10-5 BER @ -83 dBm, minimum  
- 11 Mbps 10-5 BER @ -80 dBm, minimum

Extended Temp Range:  
- 1 Mbps 10-5 BER @ -87 dBm minimum  
- 5.5 Mbps 10-5 BER @ -81 dBm minimum  
- 11 Mbps 10-5 BER @ -78 dBm minimum

**Security**  
40-bit WEP Encryption, optional 128-bit

**Antenna**  
Dual antenna diversity system 2dB gain, with swivel neck

**LED Indicator**  
Ethernet Activity, RF Activity, Power

**Standards**  
IEEE 802.11b for wireless LAN, IEEE 802.3 for wired LAN

**Media Access Protocol**  
CSMA/CA with ACK

**Temperature Range**  
0 ~ 50°C (Operating), -20~70°C (Storing)

**Humidity**  
Max. 95% Non-condensing

**Operating Range**  
Open Space: 100 ~ 300m; Indoor: 50m ~ 100m

**Network Protocol**  
TCP/IP, IPX, NDIS3, NDIS4

**Management Utility**  
AP Manager to manage wireless LAN, network connection and client access control

**EMC Certification**  
FCC part 15 class in US, CE EMC-EEC in Europe, ETSI 300.328

## Ordering Information

<b>DWL-920</b>	(Wireless Kit For Portable Computers)
<b>RDWL-920</b>	(For N. America retailer packing)
<b>DWL-920/ANA</b>	(For N. America power code and N.A. frequency channel type)
<b>DWL-920/BEU</b>	(For UK power code and EU frequency channel type)
<b>DWL-920/EEU</b>	(For EU power code and EU frequency channel type)
<b>DWL-920/EFR</b>	(For EU power code and France frequency channel type)
<b>DWL-920/NEU</b>	(For AU power code and EU frequency channel type)
<b>DWL-920/JNA</b>	(For other areas power code and N.A. frequency channel type)
<b>DWL-920/JEU</b>	(For other areas power code and EU frequency channel type)